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L7: Entry 1 of 2

File: PGPB

Sep 26, 2002

DOCUMENT-IDENTIFIER: US 20020138878 A1

TITLE: Transgenic plants containing ligninase and cellulase which degrade lignin and cellulose to fermentable sugars

Detail Description Paragraph (3):

[0071] The term "cellulase" is used herein as a generic term that includes endoglucanases such as the EI beta-1,4-endoglucanase precursor gene (e1) of Acidothermus cellulolyticus and exoglucanases such as the cellobiohydrolase gene (cbh1) of Trichoderma reesei (also classified by some as Trichoderma longibrachiatum), the dextranase gene of Streptococcus salivarius encoding the 1,6-alpha-glucanhydrolase gene, and the beta-glucosidase gene from Actinomyces naeslundii. Endoglucanases randomly cleave cellulose chains into smaller units. Exoglucanases include cellobiohydrolases, which liberate glucose dimers (cellobiose) from the ends of cellulose chains; glucanhydrolases, which liberate glucose monomers from the ends of cellulose chains; and, beta-glucosidases, which liberate D-glucose from cellobiose dimers and soluble celloextrins. When all four of the above enzymes are combined, they work synergistically to rapidly decrystallize and hydrolyze cellulose to fermentable sugars.

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PUBLICATION-DATE: September 26, 2002

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US-CL-CURRENT: 800/288; 800/284

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw Desc	Image
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☐ 2. Document ID: US 6126698 A

L7: Entry 2 of 2

File: USPT

Oct 3, 2000

US-PAT-NO: 6126698

DOCUMENT-IDENTIFIER: US 6126698 A

TITLE: Continuous biopolishing of cellulose-containing fabrics

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	RIMC	Draw Desc	Image
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